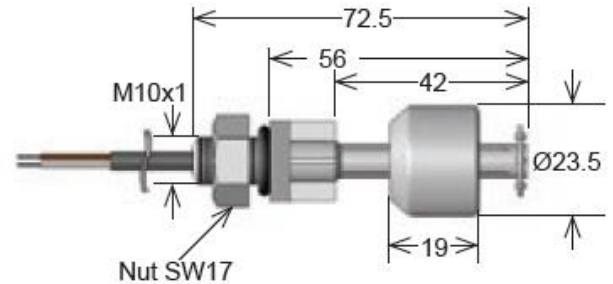


LS02 Series Level Sensors



- Features: IP68-only up to Screw in Thread, High Power Switch Option, Other Cables & Connectors
- Applications: Level Control, Detection and Monitoring
- Markets: Automotive, Appliance, HVAC/R, Test & Measurement

Part-Description: **LS-02 0X00-XX-000X**

Contact QTY	Contact Form	Switch Model	Material	Cable Length (mm)	Cable Termination
01	A (SPST-NO) B (SPST-NC)	66, 85	PA, PP	500, 1,000, 5,000	W = Stripped and Tinned

Customer Options	Switch Model		Unit
	66	85	
Contact Data			
Rated Power (max.) <small>Any DC combination of V&A not to exceed their individual max.'s</small>	10	100	W
Switching Voltage (max.) <small>DC or peak AC</small>	200	400	V
Switching Current (max.) <small>DC or peak AC</small>	0.5	1.0	A
Carry Current (max.) <small>DC or peak AC</small>	1.25	2.5	A
Contact Resistance (max.) <small>@ 0.5V & 10mA</small>	150	150	mOhm

Glossary Contact Form		
Form A	NO = Normally Open Contacts SPST = Single Pole Single Throw	
Form B	NC = Normally Closed Contacts SPST = Single Pole Single Throw	
Form C	Changeover SPDT = Single Pole Double Throw	

Glossary Material	
PP: Polypropylene	For water applications and dilute acids
PA: Polyamide	For oil
NBR: Nitrile Butadiene Rubber	For oil, gasoline & in high temperatures
SS: Stainless Steel	For high temp. (< 160° C)

General Sensor Data			
Materials			
Stem, nut	PA	PP	
Float	PA	PP	NBR
Seal	Nitrile Rubber		
Cable spec	Low voltage (Switch Model 66)	High voltage (Switch Model 85)	
Cross Section (mm ²)	0,14	0,25	
Cable material	PVC		
Packing	Bulk		

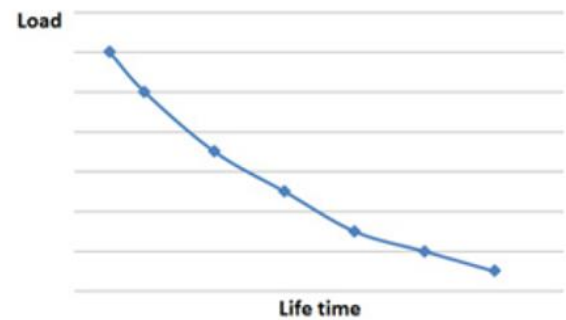
LS02 Level Sensor



Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	G
Vibration Resistance (max.)	20	G
Operating Temperature Cable not moved	-30 to 80	°C
Operating Temperature Cable moved	-5 to 80	°C
Storage Temperature	-30 to 80	°C

Life Test Data

*Load increase reduces life expectancy of Reed Switches



Handling & Assembly Instructions

- Max torque of screw is 1Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Drag mark out of the mounting area forbidden
- Decrease switching distance by mounting on iron
- Series resistor recommended for > 5m cable length

